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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER 089498.0445.US

ON-NO-(If known, peers **CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/US2003/015749 May 20, 2003 N/A TITLE OF INVENTION SOLID STATE GAS SENSORS BASED ON TUNNEL JUNCTION GEOMETRY APPLICANT(S) FOR DO/EO/US RAMSIER, Rex; LUNDY, Desmond Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). × A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). has been previously submitted under 35 U.S.C. 154(d)(4). h × Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). X Other items or information: Transmittal; copy of International Search Report; Return Postcard 20.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 2

JC06 Rec'd PCT/PTO 12 NOV 2005

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
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U.S. APPLICATION	NO (if known sep 3	7 CFR 1.5)	INTERNATIONAL A	PPLICATION NO.	ATTORNEY'S DOC	KET NUMBER	
AUJ	21.1 5 5 6 5 U PCT/US2003/015749		3/015749	089498.0445.US			
The following fees have been submitted					CALCULATIONS	PTO USE ONLY	
21. X Basic national fee\$300					\$ 300		
PCT Article 33(1)	tion fee ninary examination re -(4)	\$ 100					
International International Search	fee 1.445(a)(2)) has beer Searching Authority Report prepared and	\$ 100					
	TAL OF 21, 22 and 2	\$ 500					
sequence listing	r specification and dra gor computer program for each additional 50						
Total Sheets E		Number of each additional 50 or fraction thereof (round up to a whole number)					
18 - 100 = 0	/50 =			× \$250	\$ 0		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).							
CLAIMS	NUMBER FIL	ED	NUMBER EXTRA	RATE	\$		
Total claims	19	- 20 =	0	x \$50	\$ 0		
Independent claims	3	-3=	0	x \$200	\$ 0		
MULTIPLE DEPEND	ENT CLAIM(S) (if app	licable)		+ \$360	\$ 0		
TOTAL OF ABOVE CALCULATIONS =					\$ 500		
X Applicant claims	small entity status. So	250					
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						<u> </u>	
		\$ 250					
	enclosed assignment ver sheet (37 CFR 3.2	\$ 0					
		\$ 250					
		Amount to be refunded:	\$				
					Amount to be charged:	\$ 250	
a. A check in the amount of \$ to cover the above fees is enclosed.							
b. Please charge my Deposit Account No. 50-0959 in the amount of \$ 250 to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0959 A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be Included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed							
and granted to restore the international Application to pending status.							
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George W. Moxon, II							
Roetzel & Andres 222 S. Main St.	ss, LPA	George W. Moxon, II					
Akron, OH 44308 NAME							
26,615							
				REGISTRATIO	ON NUMBER		

10/556650 1004 Roo'd PCT/PTO 12 NOV 2005

IN THE INTERNATIONAL BUREAU OF WIPO UNITED STATES RECEIVING OFFICE

In the application of	·		
RAMSIER, Rex et al.	CERTIFICATE OF EXPRESS MAIL		
Serial No. PCT/US03/15749	I hereby certify that this correspondence was deposited with the United States Postal Service as		
Filed May 20, 2003	Express Mail addressed to: MAIL STOP PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on November 11,		
For SOLID STATE GAS SENSORS) BASED ON TUNNEL JUNCTION) GEOMETRY	Angela Gamble, Ass't to George W. Moxon II Express Mail Label ER 789349743 US		

TRANSMITTAL SHEET

Enclosed are the following documents:

Transmittal Letter (Form PTO-1390) (in duplicate)

Copy of International Search Report

Combined Declaration and Power of Attorney (unsigned)

Return receipt postcard

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

The Director is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 50-0959 (089498-0445).

Respectfully submitted

George W. Moxon II, Reg. No. 26,615

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November 11, 2005

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